

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT ← − − > PEDESTRIAN MOVEMENT

		Р	E	
	SIGNAL FACE	∞6	04+8	FLANI
	41,42	R	G	R
	61,62	G	R	Υ
	81,82	R	G	R
	P41,P42	DW	W	DRK
	P61,P62	W	DW	DRK
	P63,P64	W	DW	DRK
	P81 , P82	DW	W	DRK
T	GNAL FAC	F	Τ.	. D .

TABLE OF OPERATION

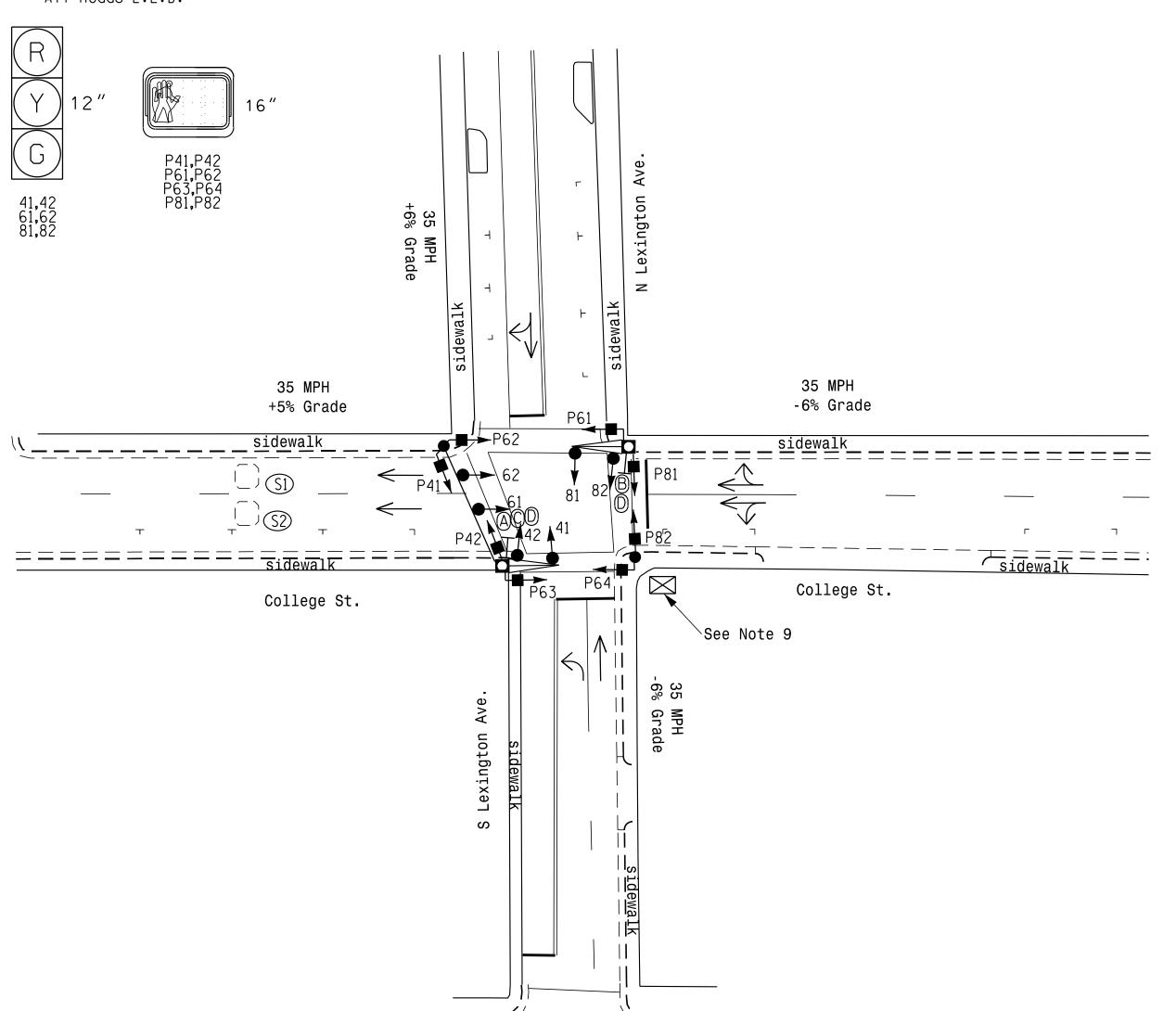
	R		
'	К		
,	Υ		
	R		
1	DRK		
N	DRK		
N	DRK	W - Walk DW - Don't	Wall
1	DRK	DRK - Dark	WU II

OASIS 2070E LOOP & DETECTOR INSTALLATION CH										HART		
II		DETECTOR PROGRAMMING										
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
S1	6X6	80	EXIST	-	-	-	-	-	-	-	Υ	Υ
S2	6X6	80	EXIST	-	-	-	-	-	-	-	Υ	Υ

OASIS 2070E LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS DETECTOR PROG							ROGRAN	MMING				
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
S1	6X6	80	EXIST	1	-	- 1	-	-	-	_	Y	Υ
S2	6X6	80	FXTST	-	_	_	_	_	_	_	Υ	Υ

SIGNAL FACE I.D.

All Heads L.E.D.



2 Phase Pre-Timed (Asheville Signal System)

PROJECT REFERENCE NO.

U-4715B

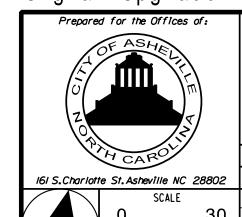
NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Set all detector units to presence mode.
- 4. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Locate new cabinet on existing foundation.
- 10. Program controller to allow an Advance Walk movement before serving the vehicle phase.
- 11. Program phase 6 for Rest-In-Walk.
- 12. Existing Yellow change interval for phase 4 may be decreased by 0.2 seconds per week until required value is reached.

LEGEND

<u>PROPOSED</u>		<u>EXISTING</u>
	nal Head	
● Modified Sig	nal Head	N/A
⊣ Sign		⊣
		•
Signal Pole	with Guy	•
Signal Pole with	Sidewalk Guy	
Inductive Loop	Detector	
◯◯ Controller &	Cabinet	×××
☐ Junction	Box	
—— 2-in Undergrou	nd Conduit	
N/A Right of	Way	
→ Directional	Arrow	\longrightarrow
○ Metal Pole wit	h Mastarm	
(A) 'NO LEFT TURN' S	ign (R3-2)	A
⟨B⟩ 'NO RIGHT TURN' S	Sign (R3-1)	lack
$\overline{\Bbb C}$ 'NO TURN ON RED' Si	gn (R10-11a)	Ö
◯ ′ONE WAY'Sign	า (R6-2)	Ô
3		<u> </u>

Signal Upgrade



College St N Lexington Ave and S Lexington Ave

Division 13 Buncombe County Asheville MAY 2016 PLAN DATE: SMH REVIEWED BY: JBV REVISIONS INIT. DATE

SIGNATURE SIG. INVENTORY NO.

Dual Entry ON ON phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds ** See Note 10.

MAX/PED

OASIS 2070E TIMING CHART

0.0

3.0

1.6

2.0

11

3.0

FEATURE

Min Green 1 *

Extension 1 *

Max Green 1 *

Red Clearance

Red Revert

Don't Walk 1

Walk Advance **

Time To Reduce *

Vehicle Call Memory

Minimum Gap

Recall Mode

Seconds Per Actuation Max Variable Initial*

Time Before Reduction

Walk 1 *

Yellow Clearance

PHASE

6

10

0.0

30

3.1

1.8

2.0

20

10

3.0

MAX/PED

8 7

0.0

20

3.0

1.8

2.0

11

9

3.0

MAX/PED



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